

ABSTRACT OF THE DISCLOSURE

A method and device for driving the support rolls of a continuous casting machine for liquid metals, which support rolls form a strand guide for the continuously cast strand. The strand guide includes electrically driven individual support rolls and/or hydraulically adjustable support roll segments. An automatic load balance control system for the drives is used as the sum of the individual forces for casting speed, motor torque, motor speed, and standard correction factors and is provided with individual adjustment of torque and speed of each drive support roll motor. A total driving torque for all drives is determined from the normal force of the driven drive support rolls and proportionately transmitted to each support roll in such a way that a static base setting of the torque distribution is used as the basis for the specific load capacity of each drive support roll.